

FIG. 1

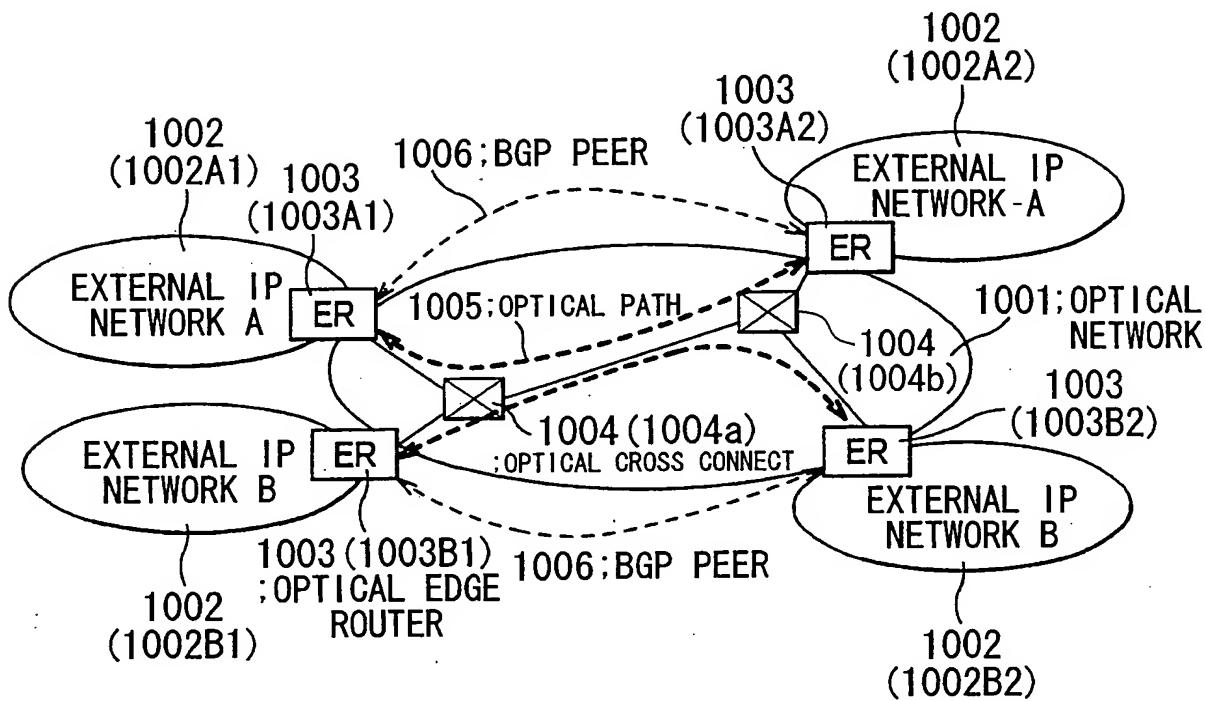
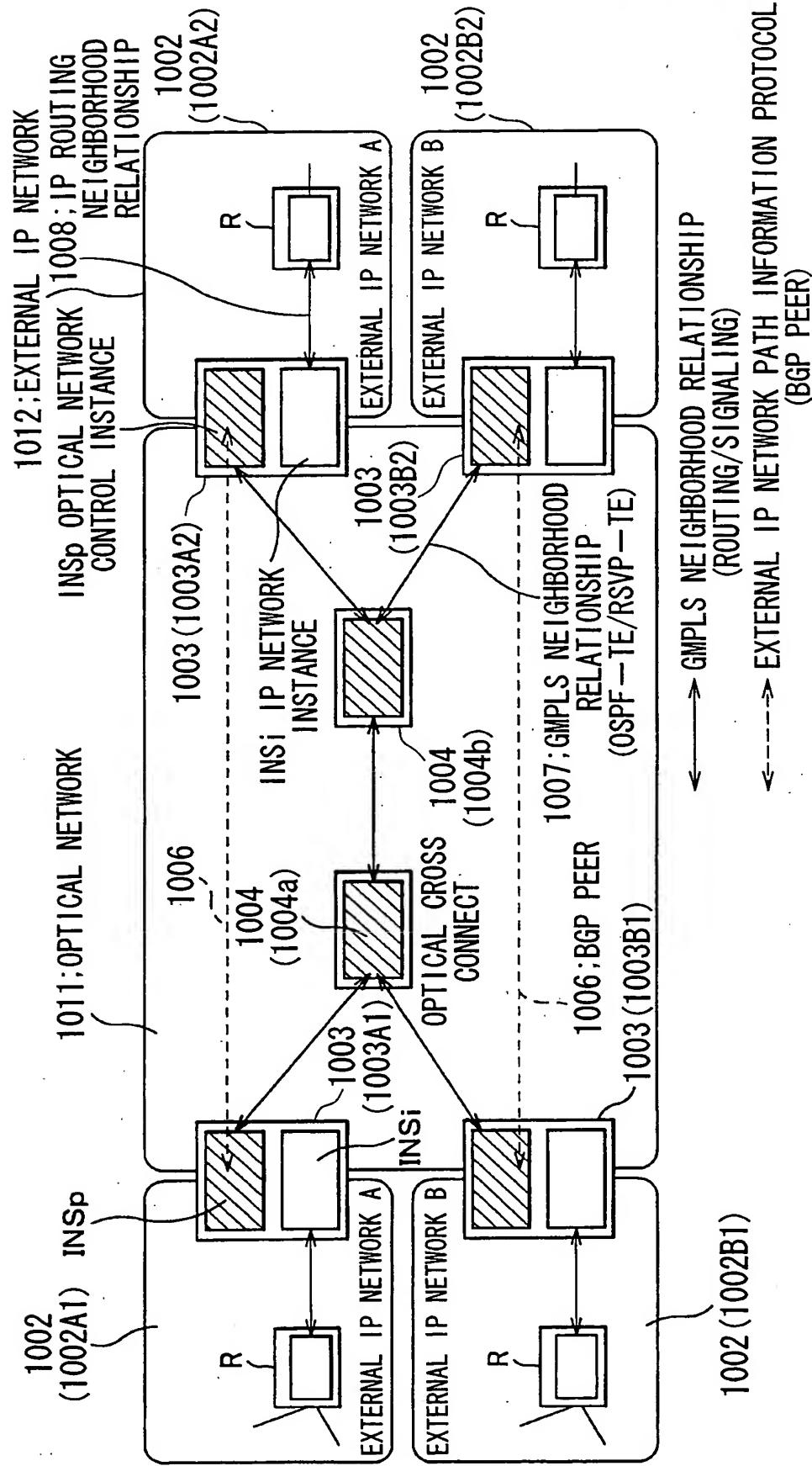


FIG. 2



Title: OPTICAL NETWORK, OPTICAL EDGE ROUTER, AND PROGRAM

THEREFOR CUTTING-THROUGH METHOD, AND EDGE ROUTER

Inventor(s): Hisashi KOJIMA, et al.

Atty. Ref.: 5259-057/NP

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FIG. 3

ROUTING TABLE(IP NETWORK ROUTING TABLE)

Destination network address	Address mask	Next hop
XX. XX. XX. X	XXX. X. X. X	XXX. XX. XX. XX
X. XX. X. XX	XXX. XXX. XX. X	direct
...

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FIG. 4

NEAR EXTERNAL IP NETWORK 1002

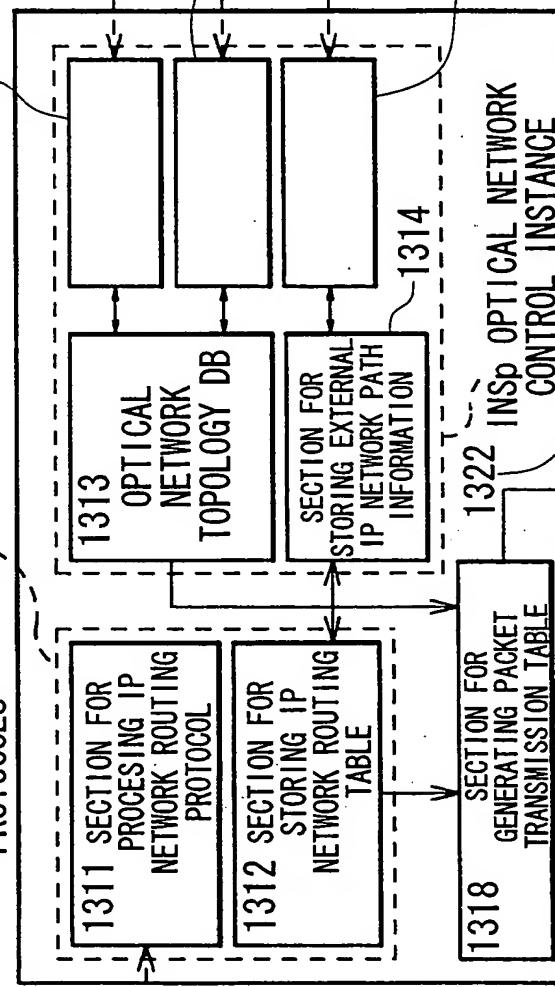
NEAR OPTICAL NETWORK 1001

1003:OPTICAL EDGE ROUTER

1031:SECTION FOR
 PROCESSING IP
 PROTOCOLS

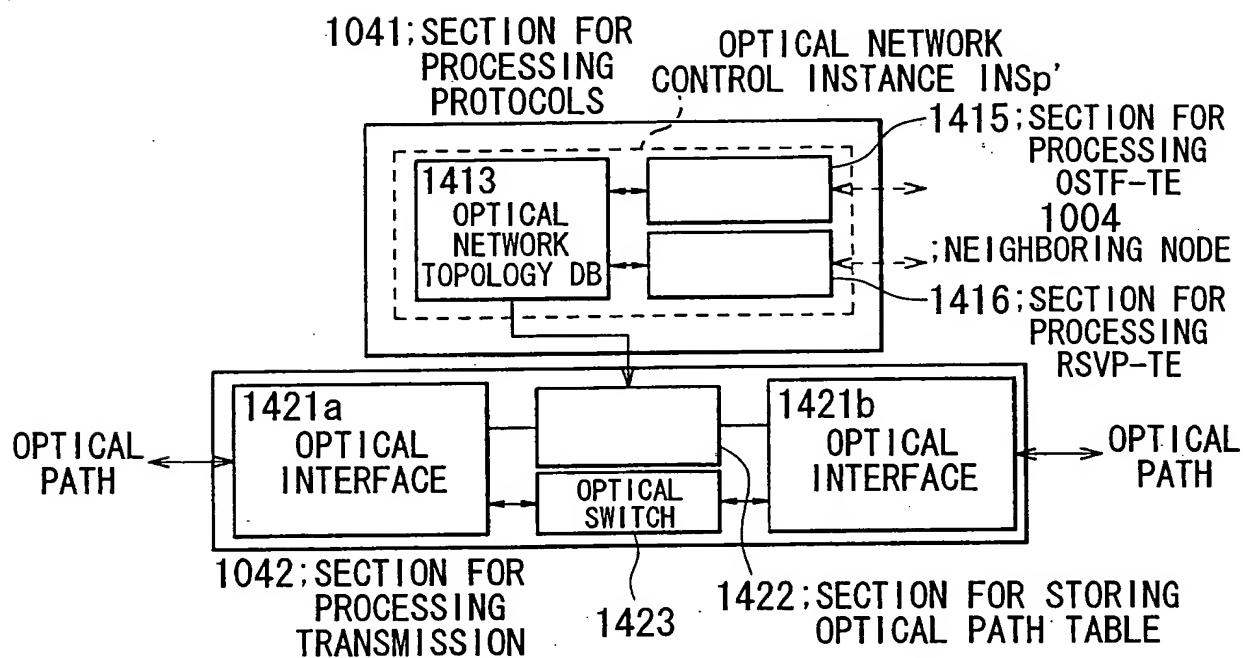
IP NETWORK INSTANCE INSi

1315:SECTION FOR PROCESSING
 OSPF-TE



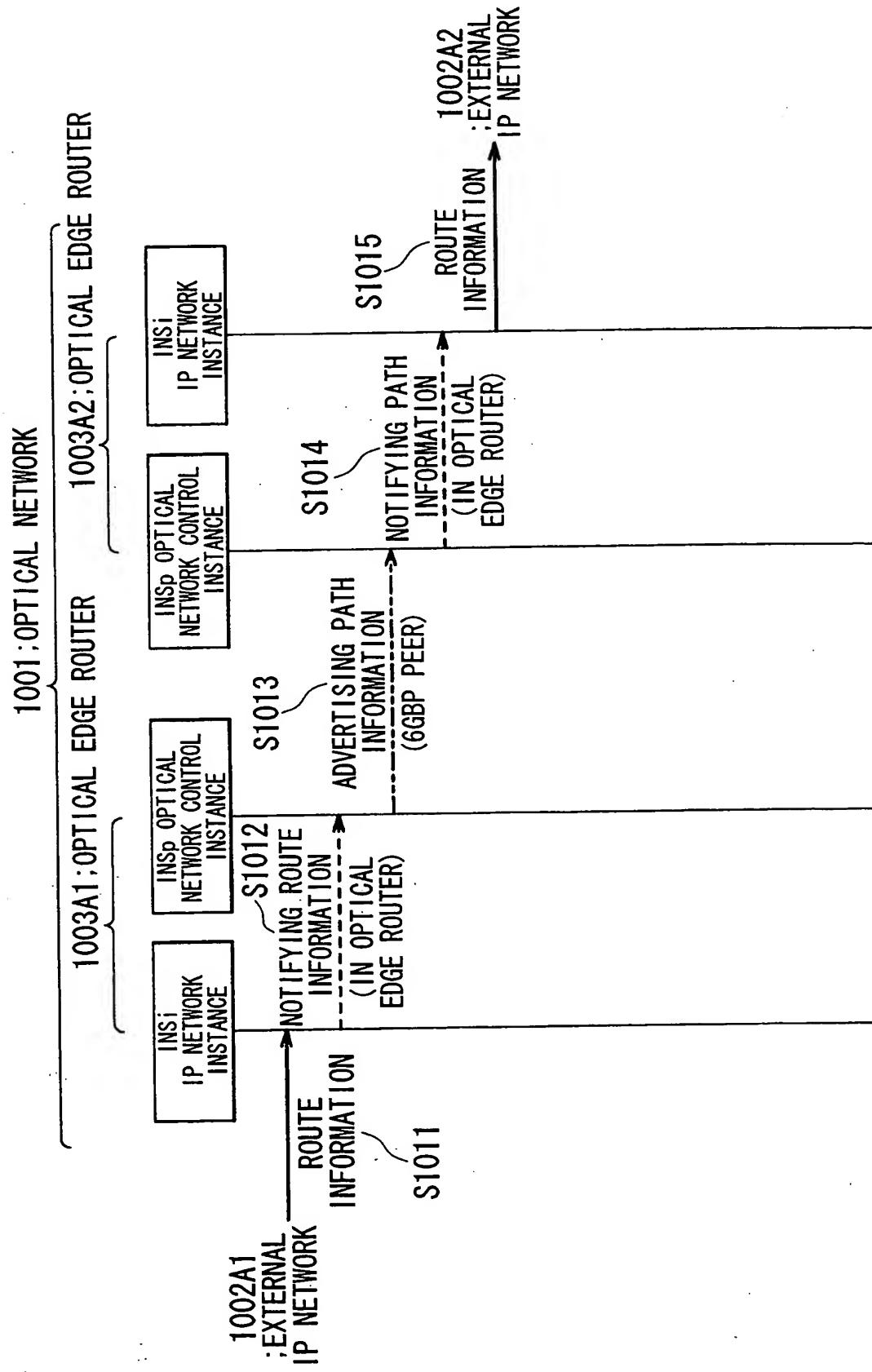
IP PACKET
 (ELECTRICITY)

FIG. 5



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FIG. 6



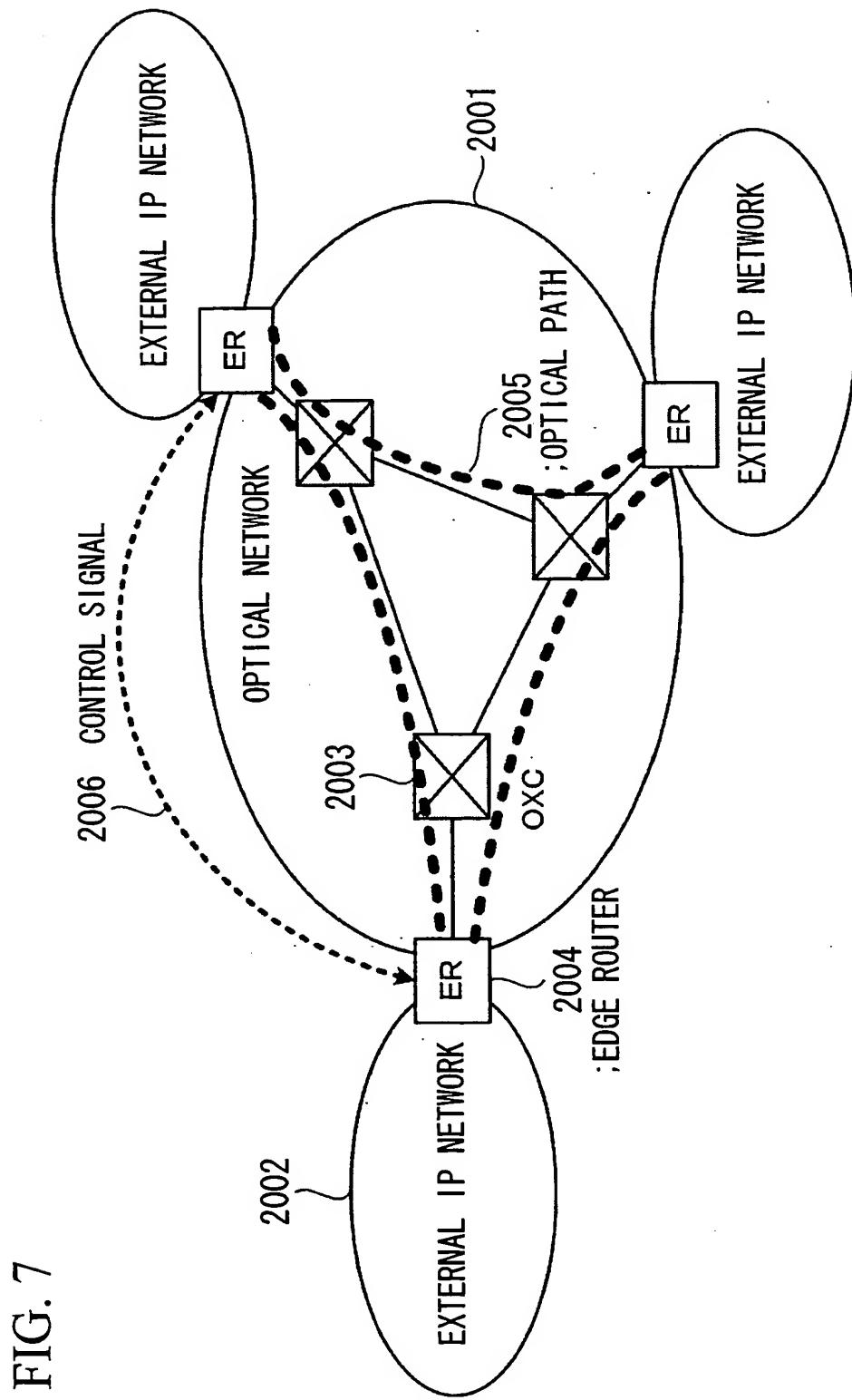


FIG. 8

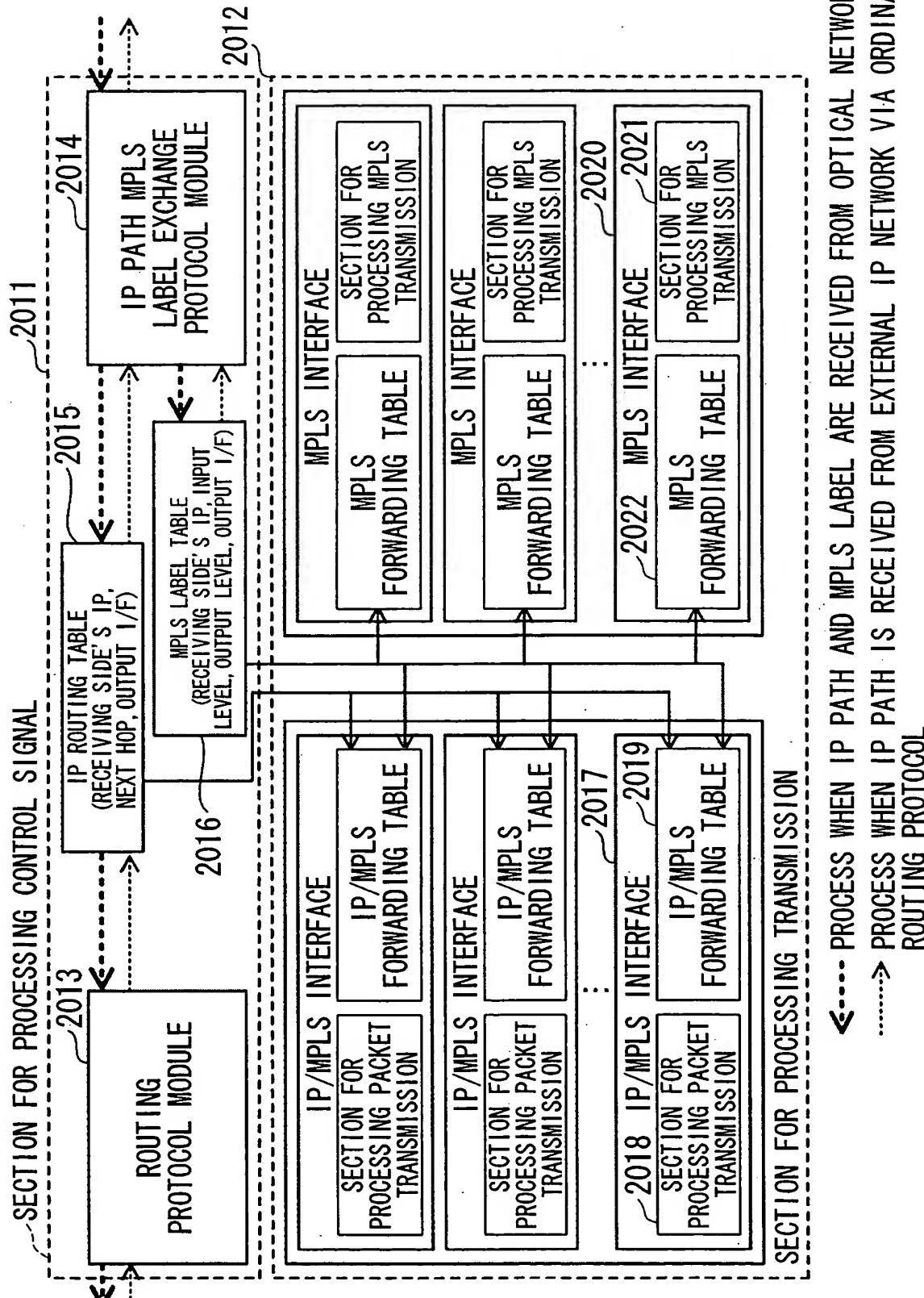


FIG. 9

RECEIVING SIDE'S IP ADDRESS	INPUT LABEL VALUE	OUTPUT LABEL VALUE	OUTPUT INTERFACE
100.1.0.0/16	—	105	5
100.2.1.0/24	100	—	1
100.2.2.0/24	345	—	2

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FIG. 10

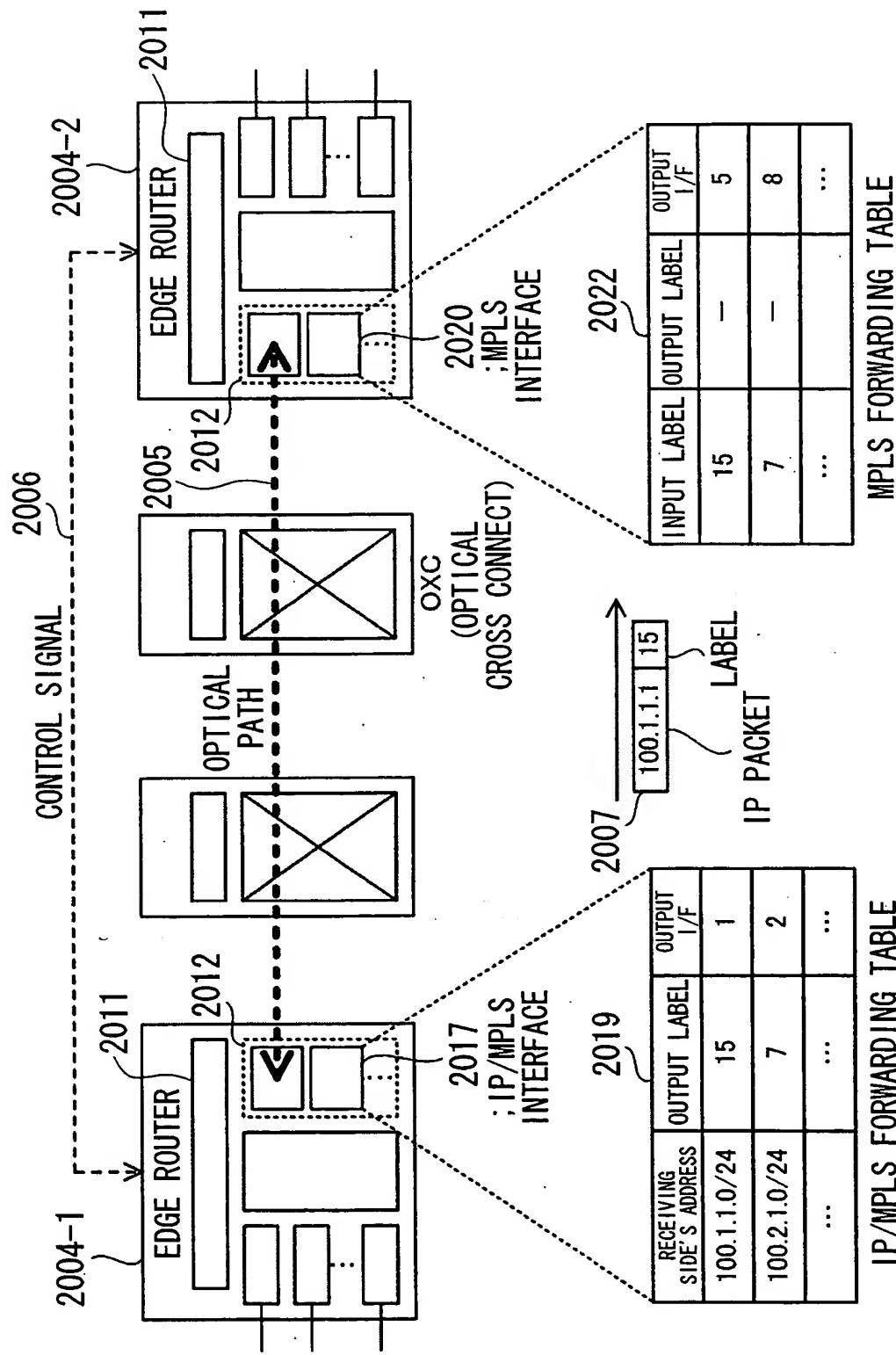
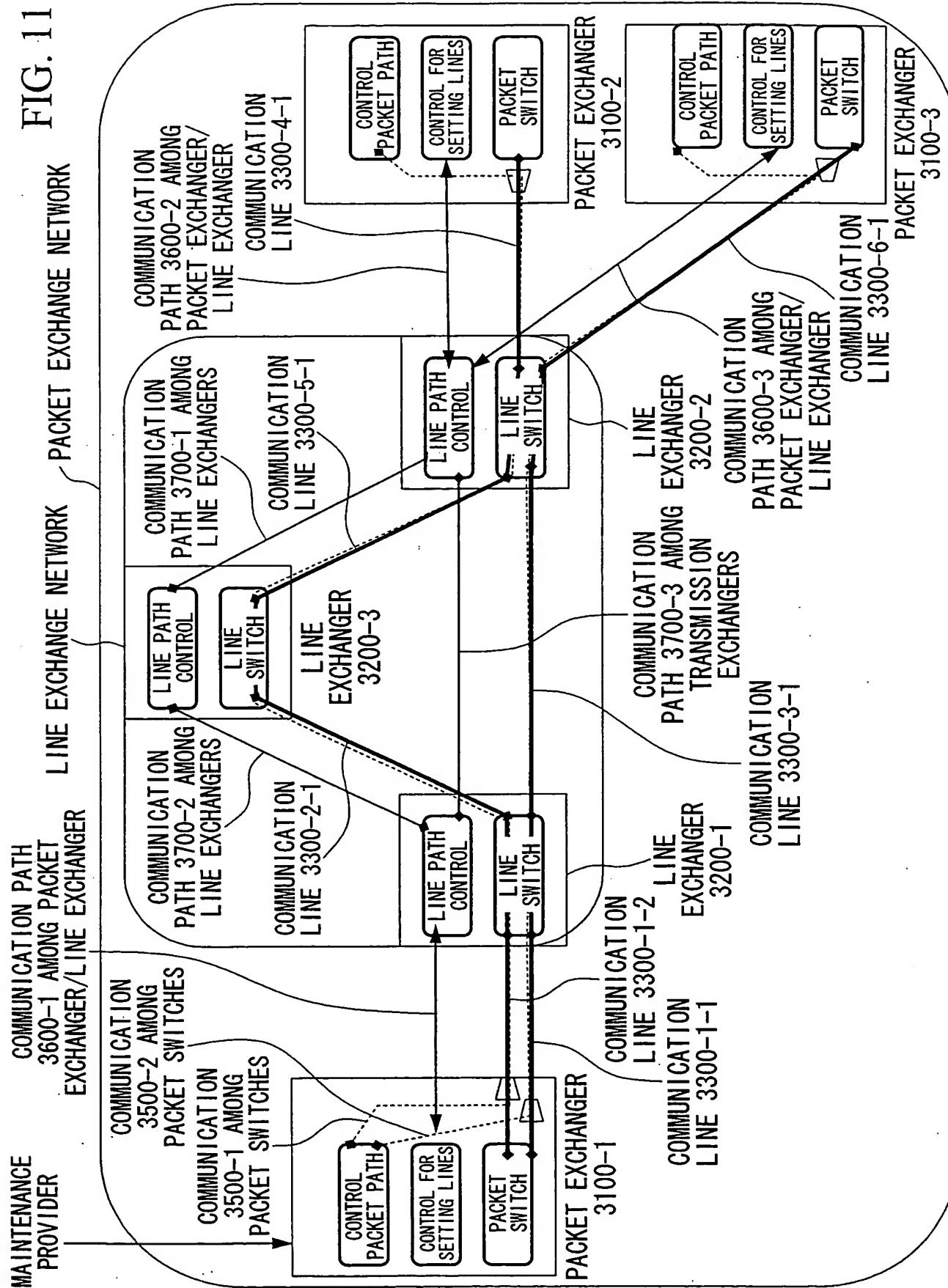
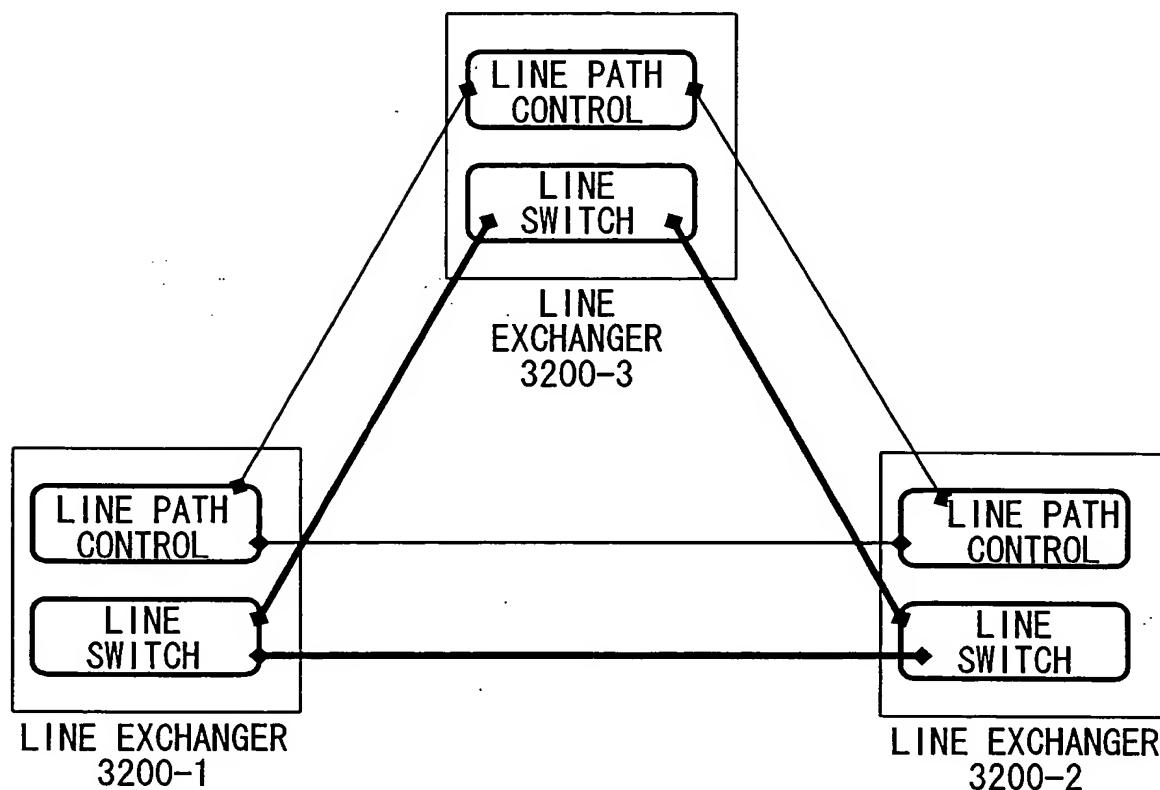


FIG. 11



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FIG. 12



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FIG. 13

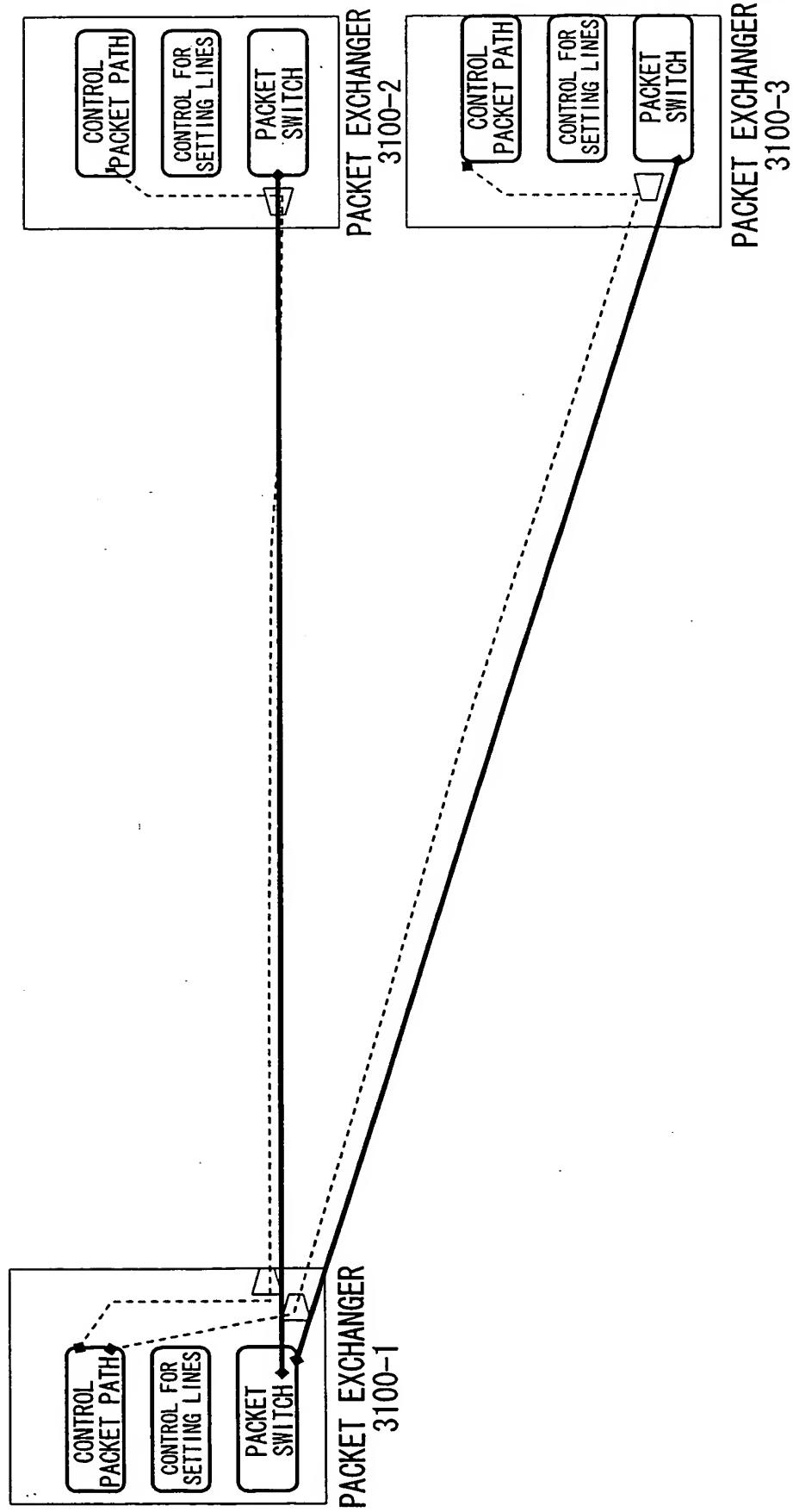
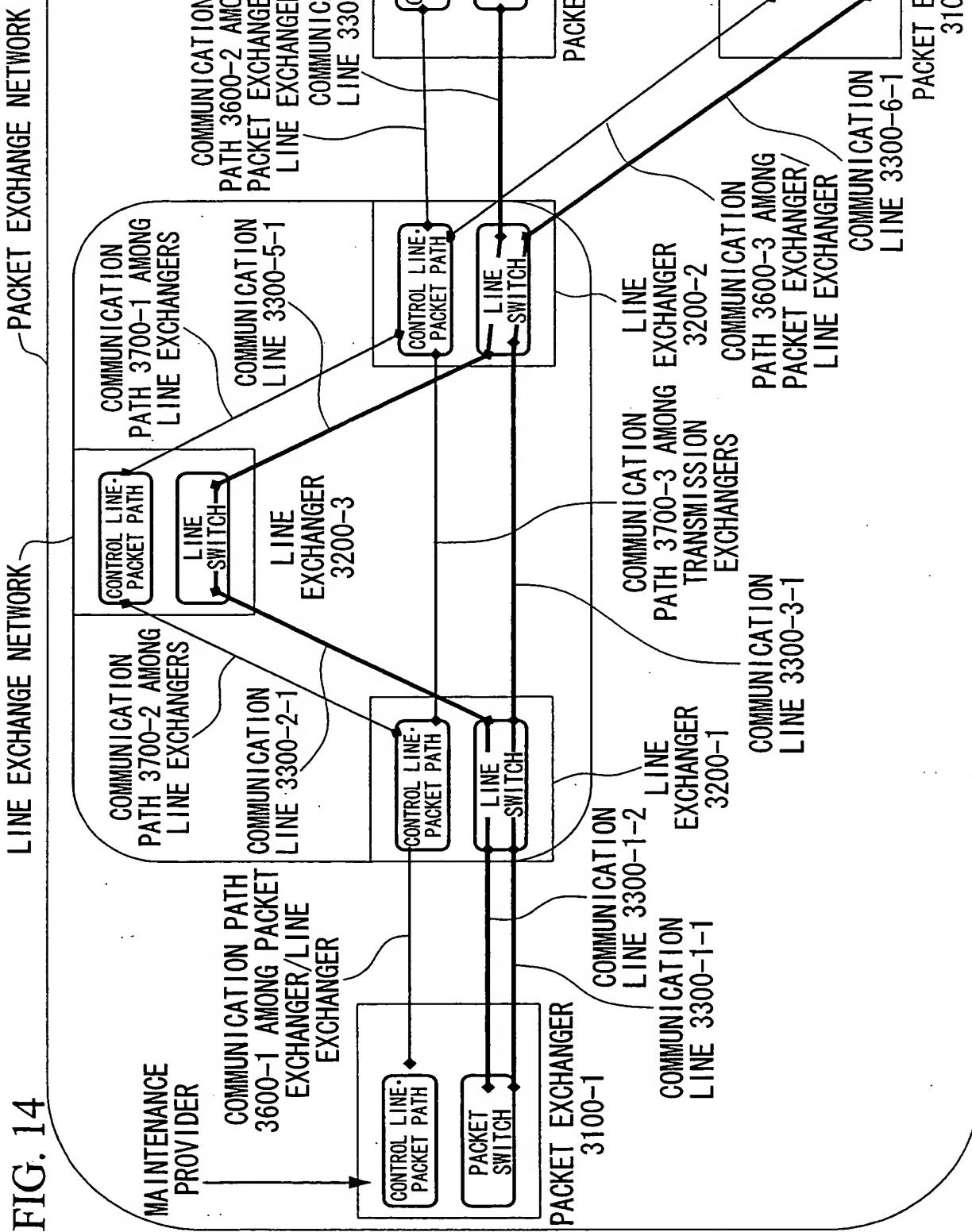


FIG. 14

LINE EXCHANGE NETWORK



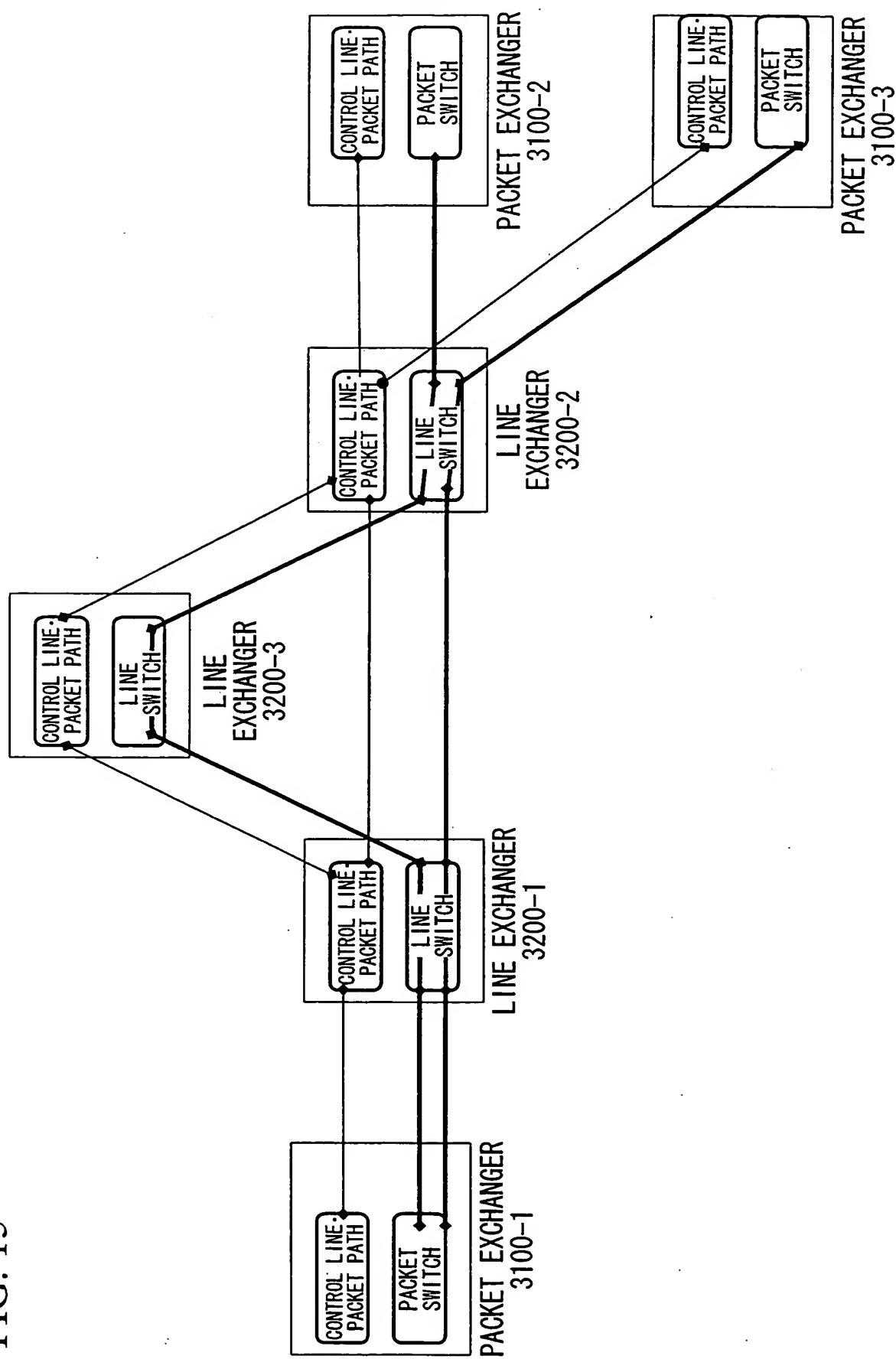
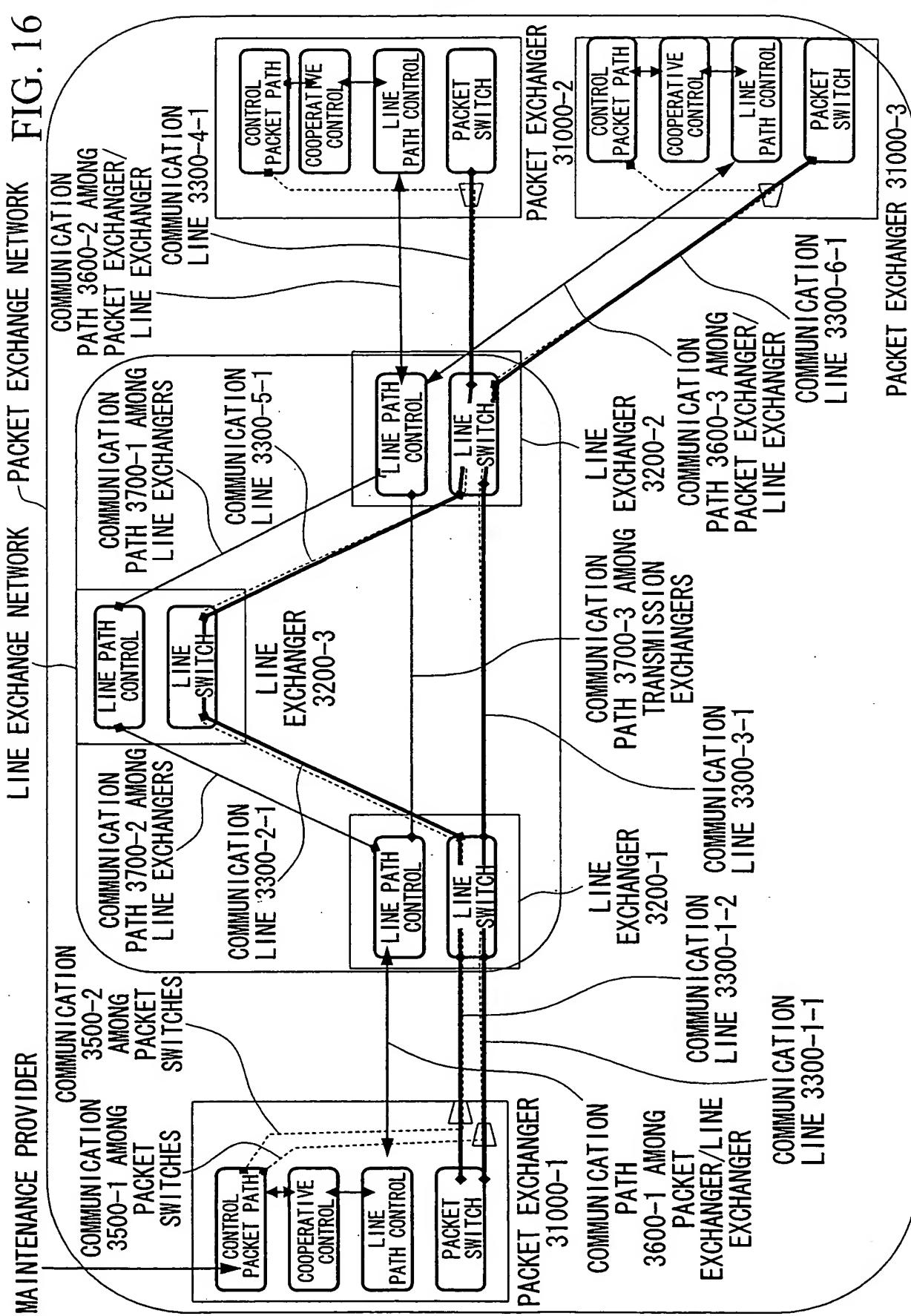


FIG. 15

LINE EXCHANGE NETWORK FIG. 16



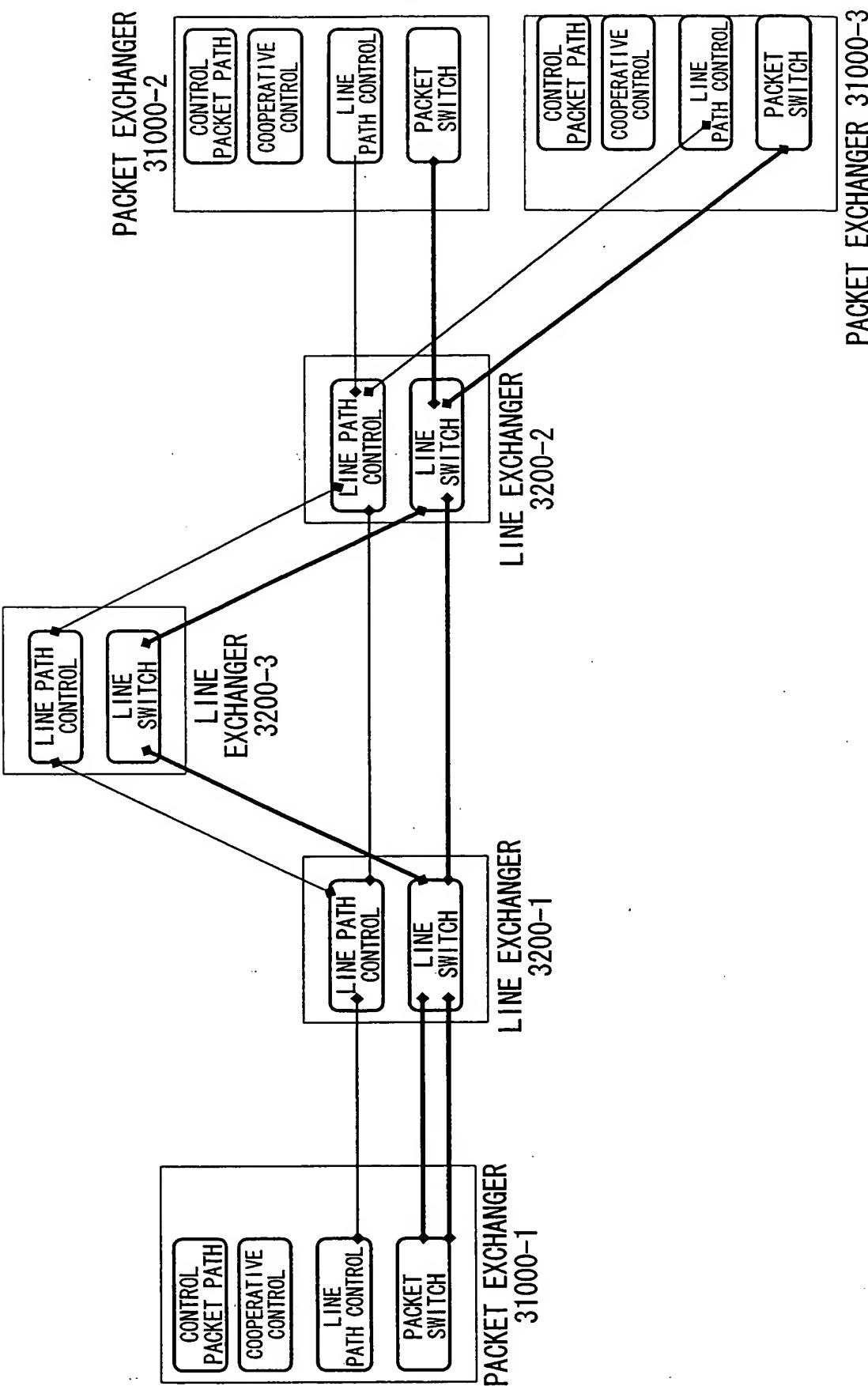
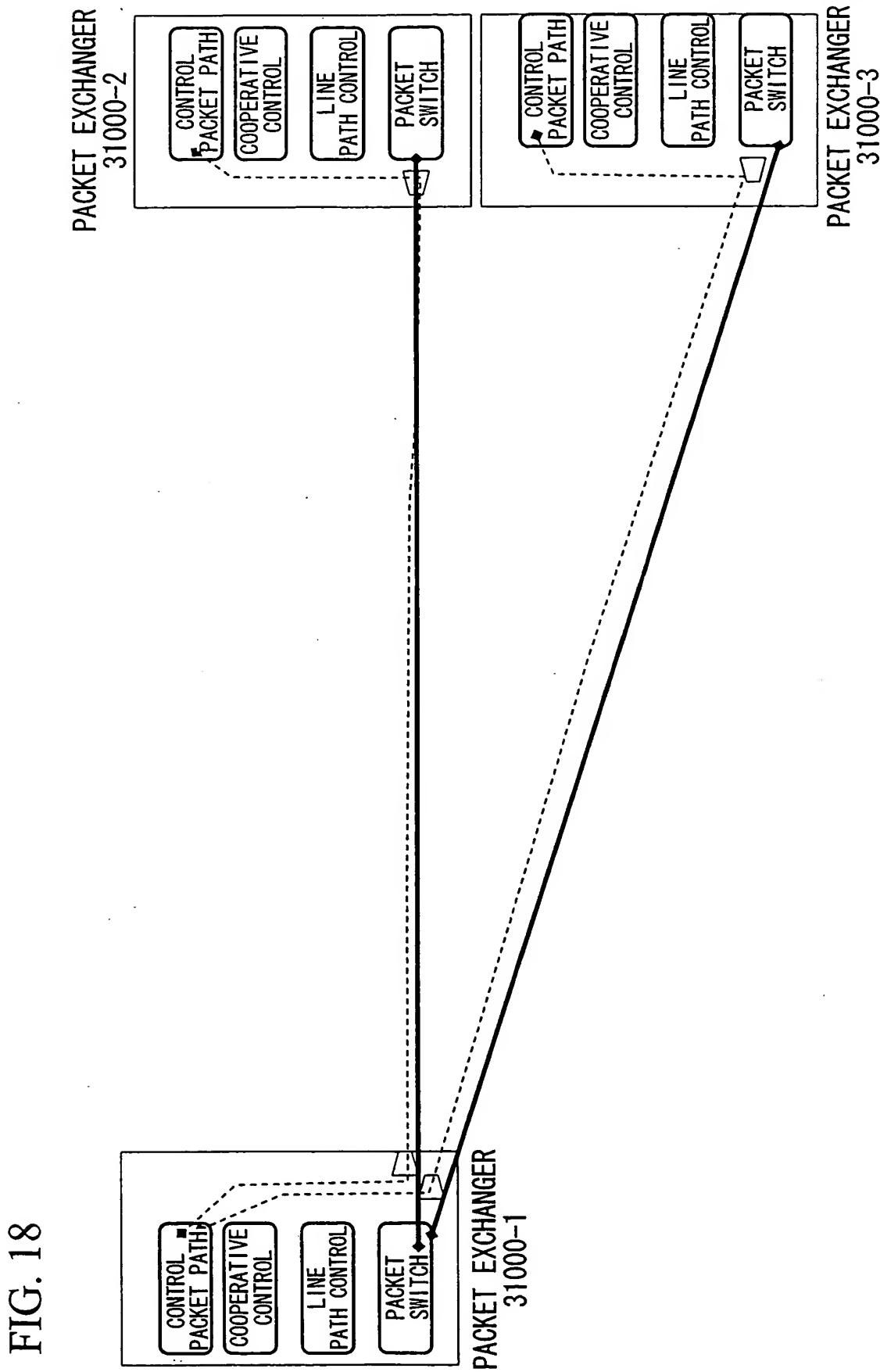


FIG. 17

PACKET EXCHANGER 31000-3



MAINTENANCE PROVIDER LINE EXCHANGE NETWORK PACKET EXCHANGE NETWORK FIG. 19

